

Title (en)

RADIAL ANTIFRICTION BEARING, PARTICULARLY A SINGLE-ROW GROOVED ANTIFRICTION BEARING OR ANGULAR CONTACT ANTIFRICTION BEARING

Title (de)

RADIALWÄLZLAGER, INSBESONDERE EINREIHIGES RILLEN- ODER SCHRÄGWÄLZLAGER

Title (fr)

PALIER A ROULEMENT RADIAL, NOTAMMENT PALIER A ROULEMENT OBLIQUE OU CANNELE A UNE SEULE RANGEE

Publication

EP 1896739 B1 20110406 (DE)

Application

EP 06761708 A 20060627

Priority

- DE 2006001096 W 20060627
- DE 102005029984 A 20050628

Abstract (en)

[origin: US7828484B2] The radial antifriction bearing has an outer bearing ring, an inner bearing ring and roller bodies, which are arranged between the bearing rings, are held at uniform distances from one another in the peripheral direction by a bearing cage. The roller bodies are discs that each have two parallelly arranged lateral surfaces which are symmetrically flattened from a spherical basic shape. In order to prevent edge stresses between the discs and the raceways, at least the raceway in the inner bearing ring, on its outer edge areas, transition into a logarithmically decreasing profile.

IPC 8 full level

F16C 19/16 (2006.01); **F16C 19/36** (2006.01); **F16C 33/32** (2006.01); **F16C 33/34** (2006.01)

CPC (source: EP US)

F16C 19/26 (2013.01 - EP US); **F16C 33/36** (2013.01 - EP US); **F16C 33/585** (2013.01 - EP US); **F16C 2240/50** (2013.01 - EP US); **F16C 2240/76** (2013.01 - EP US)

Citation (examination)

- DE 4334195 A1 19940324 - GEUER MANN ERNST [DE]
- CH 99346 A 19230516 - NORDISKA KULLAGERS FÖRSÄLJNING [SE]
- US 4741632 A 19880503 - JACOBSON PETER E [US]

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DOCDB simple family (publication)

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